



CLARA Energy acknowledges the Wadjuri people, the Traditional Owners of the land on which Project Rosedale is planned to be developed.

## STRATEGIC DEMAND

The Project would generate  
**25 tonnes**  
of green hydrogen per day



Which if used to fuel heavy vehicles travelling along the Hume Highway could reduce carbon emissions by up to

**654.5 tonnes**  
of carbon emissions per day



**\$1.2 billion**

The Australian government has committed to supporting clean hydrogen



CLARA Energy has engaged in a community survey to understand regional attitudes towards renewable energy. This survey found that the community strongly believes government is ultimately responsible for addressing environmental challenges in regional communities.

### National Level Strategic Plans

**Climate Change Policy:** Development of the Project would assist Australia in meeting its commitments under the Paris Agreement and the Australian Climate Change Policy.

**Australian Renewable Energy Target:** Is an Australian Government scheme designed to reduce greenhouse gas emissions in the electricity sector and encourage the additional generation of electricity from sustainable and renewable sources. The Project supports the Renewable Energy Target as the solar array would have capacity to produce 25,000 kg of green hydrogen per day, contributing to Australia's green energy security.

**Australia's Long Term Emissions Reduction Plan:** The Plan aims to achieve net zero emissions by 2050. The Project would directly support the Plan by becoming one of the largest green hydrogen production plants in the world, powered by one of the largest solar installations in Australia

**Australia's National Hydrogen Strategy:** Hydrogen has the potential to play a key role in our transition to net zero through use in areas such as industry, transport, grid firming, chemicals and metals production. The Project will support the Strategy by generating and providing green hydrogen to the transport industry and other hard-to-abate sectors, creating jobs in the hydrogen industry, reducing climate-related financial risk, and enhancing Australia's energy security.



Australia is on the path to be a global hydrogen leader by 2030

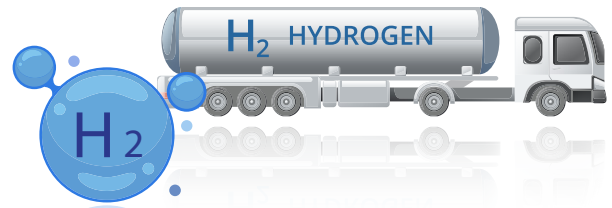
- National Hydrogen Strategy Review 2023



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## STRATEGIC DEMAND

Recent survey indicates the community believe the transportation sector needs to prioritise moving to renewable energy sources.



### Strategic Level Strategic Plans

**Hume Hydrogen Highway Initiative:** is a collaborative effort between the NSW and Victorian Governments, which seeks to expedite the growth of a renewable hydrogen economy in both states. This initiative is primarily targeting the heavy transport sector for decarbonisation. CLARA Energy would be the largest wholesale supplier of green hydrogen on the Hume Highway corridor which is essential to enabling the goals within the Hume Hydrogen Highway Initiative to be met.

#### NSW Circular Strategy Plan 2020-2023

The Project would support the Plan by incorporating a circular design to maximise the value of resources and reduce waste.

#### NSW Climate Change Policy Framework:

As a major green hydrogen production plant, the Project would supply hard-to-abate energy markets such as heavy haulage transport, while generating jobs, economic opportunities, and supporting regional growth and local communities.

#### NSW Hydrogen Strategy

Wagga Wagga was announced as a Special Activation Precinct (SAP) in 2019 and has been identified as a strategic hydrogen location .

“Wagga Wagga City Council is supportive of the Project in its overarching strategic connection to the Wagga Wagga SAP and the potential for the Project to support the development of hydrogen fuel use in freight transport”

### NSW Hydrogen Strategy Goals:

8%

Stretch target to produce 110,000 tonnes per annum of green hydrogen in NSW: the Project would produce 9,125 tonnes of green hydrogen per annum.

25%

Stretch target to develop electrolysis capacity of 700 MW within NSW: The Project would provide about 175 MW of electrolysis capacity

2%

Stretch target to fuel 10,000 hydrogen vehicles within NSW: The Project would generate enough hydrogen to fuel approximately 200 heavy vehicles round-trips between Melbourne and Sydney



“Hydrogen will contribute between 10 to 33% towards global and Australian emissions reduction

- National Hydrogen Strategy Review 2023